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3/18/03

Lou 13-13

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): Hui-Ling Lou et al.
Case: 13-13
Serial No.: 09/390,389
Filing Date: September 3, 1999
Group: 2631
Examiner: Kevin Michael Burd

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.
Signature: *Amie B. Glaser* Date: March 7, 2003

Title: Multiplier-Free Methods and Apparatus for Signal Processing in a Digital Communication System

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AMENDMENT AND RESPONSE TO OFFICE ACTION

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the outstanding non-final Office Action dated December 9, 2002, please amend the above-identified application as follows.

IN THE CLAIMS

1. (Amended) A method of processing information in a receiver of a digital communication system, the method comprising the step of:

applying a signal processing operation to a sequence of transmitted symbols, wherein the transmitted symbols correspond to points in a first modulation constellation, the first modulation constellation corresponds to a rotated version of a second modulation constellation, and each of the transmitted symbols represents a particular number of information bits;

the signal processing operation utilizing at least one selector to compute a product of a channel estimate and a given one of the transmitted symbols;

A1



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Signature: Amice H. Glaser Date: March 7, 2003

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Processing in a Digital Communication System

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AMENDMENT TRANSMITTAL

Assistant Commissioner for Patents
Washington, D.C. 20231
Box Non-Fee Amendment

Sir:

Submitted herewith is the following document relating to the above-identified patent application:

(1) Amendment and Response to Office Action.

There is no additional fee due in conjunction with the Amendment. In the event of any non-payment or improper payment of a required fee, the Commissioner is hereby authorized to charge or to credit **Ryan, Mason & Lewis, LLP Deposit Account No. 50-0762** as required to correct the error.

Respectfully submitted,

Date: March 7, 2003

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